Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/18/2020 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125194	0	2.04	125303	2.04
Blue	F	SSC	125000	123657	-2	2.33	124656	2.23
Blue	E	FITC	14203	13713	-4	2.79	297	15.39
Blue	D	PE	25703	25322	-2	2.48	548	10.62
Blue	B	PerCP-Cy5-5	42104	41641	-2	3.29	932	14.96
Blue	A	PE-Cy7	34646	34039	-2	4.97	482	29.74
Red	C	APC	49824	48369	-3	2.20	1492	11.06
Red	A	APC-Cy7	39773	38910	-3	2.23	725	11.75
Violet	B	V450	7447	7131	-5	4.78	392	14.00
Violet	A	V500	31193	30021	-4	4.56	680	11.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22058	2.41	541	-15	N/A	N/A	Pass
Blue	F	SSC	53515	2.27	509	-3	N/A	N/A	Pass
Blue	E	FITC	54	53.22	483	-3	0.0394	79	Pass
Blue	D	PE	108	38.51	485	0	0.3792	269	Pass
Blue	B	PerCP-Cy5-5	175	36.77	579	2	0.0182	43	Pass
Blue	A	PE-Cy7	108	67.39	624	4	0.0220	12	Pass
Red	C	APC	343	23.22	564	-3	0.0284	58	Pass
Red	A	APC-Cy7	200	24.41	543	-1	0.0060	407	Pass
Violet	B	V450	88	45.76	449	0	0.0435	1921	Pass
Violet	A	V500	119	36.39	467	0	0.0209	1485	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.42	-31.13	1.09
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.13	15.99 - 23.99	N/A	N/A	29.70	29.89	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 12838

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments